

CHN1 Protein, Human (sf9)

Cat. No.:	HY-P75673
Synonyms:	N-chimaerin; A-chimaerin; NC; CHN1; ARHGAP2; CHN
Species:	Human
Source:	Sf9 insect cells
Accession:	P15882 (A2-F459)
Gene ID:	1123
Molecular Weight:	Approximately 45 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CHN1, a GTPase-activating protein for p21-rac, serves as a phorbol ester receptor and plays a pivotal role in the assembly of neuronal locomotor circuits. It functions as a direct effector of EPHA4 in axon guidance, forming a critical link between EPHA4 activation and the regulation of RAC1. Through its interaction with EPHA4, CHN1 contributes to the intricate signaling pathways involved in axon guidance, thereby influencing the development and organization of neuronal circuits essential for proper locomotion.
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Caution: Product has not been fully validated for medical applications. For research use only.

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